

United States Environmental Protection Agency
Pollution Report

I. HEADING

EPA Region 5 Records Ctr.



304870

DATE: March 3, 1997

SUBJECT: Pollution Report for the Dayton Electroplate Site,
Dayton, Montgomery County, Ohio.

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PCLREP NO. 5

II. BACKGROUND

Site No:	A562
Response Authority:	CERCLA
NPL Status:	None
Start Date:	January 3, 1997
Completion Date:	TBD
Latitude:	39'46.724" North
Longitude:	84'09.762" West
CERCLA Incident Category:	Removal

III. SITE INFORMATION

A. Background:

- Refer to POLREP 1 for site background information.

B. Site Location/Description:

- The DE site is located at 1030 Valley Street, Montgomery County, Ohio. The DE site is located in an industrial/residential area within the northeast area of Dayton, Ohio. The DE site occupies approximately 4 acres bordered by Valley Street and State Route 4. The DE site includes two site buildings covering 60,000 square feet and four separate plating lines.

IV. RESPONSE INFORMATION

A. Current Situation:

- Abandoned wastes on site included acids, cyanide, caustics, flammable liquid, and mercury. Site security was initiated on January 3, 1997 due to vandalism and trespassing. On January 9, 1997, the Superfund Technical Assistance and Response Team (START) with assistance from the ERCS contractor initiated sampling and documentation of all wastes on site. Hazard categorization began on January 20, 1997 and was completed on January 24, 1997. An ERCS crew was mobilized on February 4, 1997 to begin containing the wastes and preparing them for transportation and disposal off site. Transformers, debris, and base-neutral liquid transported for off-site disposal between 2/4-2/17.

B. Actions Taken:

- February 18 and 19, 1997 - ERCS Response Manager on site to oversee the installation of a door in the southwest corner of building 1. The door will be used to remove vats from the rear of the building.
- February 20, 1997 - The ERCS crew is re-mobilized to site. Two tankers of chromic acid liquid totalling 6,840 gallons and four tankers of caustic liquid totalling 18,400 gallons were transported off site for disposal. Chemical Services, Inc. picked up 67 55-gallon drums containing virgin product acid and caustic liquid. Billy Ring, Haz-Mat Coordinator of the Dayton Regional Hazardous Materials Response Team met with OSC Renninger and toured the site.
- February 21, 1997 - Two Baker Tanks used to consolidate acid liquids were demobed from site. Empty drums continued to be cut up and consolidated into debris boxes. A drum staging

area was completed in building 3 and all drums awaiting T&D were staged.

- February 22 and 23, 1997 - Site shut down for the weekend. Twenty-four hour security remains on site.
- February 24, 1997 - Two caustic liquid tankers (9,182 gallons) and one tanker of base-neutral liquid (4,633 gallons) were transported off site for disposal. A box containing 25 yards of F007 and F008 waste (debris) was transported off site.
- February 25, 1997 - One tanker of caustic liquid was rerouted from Dynecol, Inc. to Chem Waste Management because of an elevated cyanide concentration within the one load of caustic liquid. Ten cylinders were taken off site and returned to B.O.C. Gases in Dayton, Ohio. Two unknown cylinders remain on site. One tanker (4,800 gallons) of base-neutral liquid was transported off site. Demolition of seven tanks on the south end of building 1 and five large fiberglass tanks (tank farm) initiated. A member of the Dayton Fire Department was on site for an update of the site activities.
- February 26, 1997 - One box of debris (25 yards) was transported off site for disposal. Dismantling of the tank farm continued. The south end of building 1 was completed and the dismantling of the wastewater treatment (WWT) area was initiated.
- February 27, 1997 - A box of F006 filter cake containing ten cubic yards was transported for disposal. An underground storage tank containing flammable liquid was found on site. Continued to dismantle the WWT area and tank farm. Empty drums continued to be consolidated.
- February 28, 1997 - One box of debris containing 25 yards and one box of PPE containing 20 yards were shipped off site for disposal. Continued dismantling the WWT area and tank farm.
- March 1 and 2, 1997 - Site shut down for the weekend. Twenty-four hour security remains on site.
- March 3, 1997 - Dayton Fire Department on-scene to extinguish a fire in the WWT room that was started during hot-cutting of an empty tank. Site contingency plan implemented with no evacuations necessary. Dayton Fire Department departed site at 1130 hours.

C. Next Steps:

- Continue 24-hour site security.
- Complete transportation of liquid and drummed waste off site for disposal.
- Dismantle four empty plating lines for off-site disposal.

D. Key Issues:

- Drummed wastes remaining on site include cyanide solids (2), hydrogen peroxide (2), flammable solids (4), oxidizing solids (2), sodium hydrosulfite (1), and mercury labpack (1).

V. COST INFORMATION

- Estimated costs as of February 28, 1997:

	Budget	Cost to Date	Remaining
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Smith Technology	500,000	219,652	280,348
START	50,500	22,737	27,763
EPA Direct	39,600	25,145	14,455
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Tctal	590,100	267,534	322,566